

09/588,923

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent Application

Applicant: Okamoto et al.

Serial No.: 09/588,923

Filed: June 6, 2000

For: MAGNETIC RECORDING MEDIUM
AND MAGNETIC STORAGE
APPARATUS

Art Unit: 1773

Examiner: Rickman, H.

I hereby certify that this paper is being deposited with
the United States Postal Service as first-class mail in an
envelope addressed to: Assistant Commissioner for
Patents, Washington, D.C. 20231, on this date.

12/12/2001

Date

F CLASS.WCM

Registration No. 37,538

Attorney for Applicant

#8
LW
245-02
18TRANSMITTALAssistant Commissioner for Patents
Washington, DC 20231

Sir:

- (X) Enclosed is an IDS, PTO Form 1449 (with check for \$180.00), and copies of cited references to be filed in the above-referenced application.
- (X) If a Petition under 37 C.F.R. §1.136(a) for an extension of time for response is required to make the attached response timely and does not separately accompany this transmittal, Applicant(s) hereby petition(s) under 37 C.F.R. §1.136(a) for an extension of time for response in the above-identified application for the period required to make the attached response timely.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

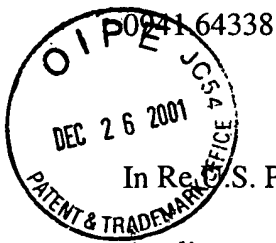
GREER, BURNS & CRAIN, LTD.

December 12, 2001

Suite 2500
300 South Wacker Drive
Chicago, Illinois 60606
(312) 360-0080
Customer Number 24978
K:\0941\64338\IDS-TR-2.DOC

By

James K. Folker
Registration No. 37,538RECEIVED
DEC 28 2001
TC 1700



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application

Applicant: Okamoto et al.

Serial No.: 09/588,923

Filed: June 6, 2000

For: MAGNETIC RECORDING MEDIUM
AND MAGNETIC STORAGE
APPARATUS

Art Unit: 1773

Examiner: Rickman, H.

)
) I hereby certify that this paper is being deposited with
) the United States Postal Service as first-class mail in an
) envelope addressed to: Assistant Commissioner for
) Patents, Washington, D.C. 20231, on this date.

) 12/12/2001
) Date

) F CLASS.WCM

) James K. Felt
) Registration No. 37,538
) Attorney for Applicant

RECEIVED
DEC 28 2001
TC 1700

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants through counsel
herewith submit copies of the publications as set forth in the attached form PTO-1449 as follows:

U.S. PATENTS

| <u>PATENT NO.</u> | <u>PATENTEE</u> | <u>ISSUE DATE</u> |
|-------------------|-----------------|-------------------|
| 4,789,598 | Howard et al. | Dec. 6, 1998 |
| 5,408,377 | Gurney et al. | Apr. 18, 1995 |
| 5,462,796 | Teng et al. | Oct. 31, 1995 |
| 5,465,185 | Heim et al. | Nov. 7, 1995 |
| 5,523,173 | Doerner et al. | Jun. 4, 1996 |
| 6,013,365 | Dieny et al. | Jan. 11, 2000 |

12/27/2001 TGEDRMU1 00000082 09588923

01 70123

120.00 07

Enclosed herewith is a check in the amount of \$180.00 to cover the fee set forth
in 37 C.F.R. §1.17(p).

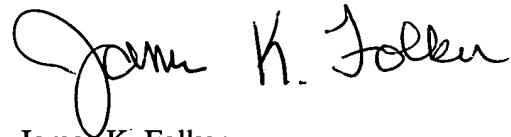
Respectfully submitted

GREER, BURNS & CRAIN, LTD.

December 12, 2001

Suite 2500
300 South Wacker Drive
Chicago, Illinois 60606
Tel.: (312) 360-0080
Fax.: (312) 360-9315
Customer Number 24978
K:\0941\64338\IDS-2.doc

By



James K. Folker
Registration No. 37,538

OTHER DOCUMENTS

S.E. Lambert, et al., "Reduction of Media Noise in Thin Film Metal Media by Lamination"-IEEE Transactions on Magnetics, vol. 26, No. 5, Sep. 1990, pp. 2706-2708.

E.S. Murdock, et al., "Noise Properties of Multilayered Co-Alloy Magnetic Recording Media"-IEEE Transactions on Magnetics, vol. 26, No. 5, Sep. 1990, pp. 2700-2705.

A. Murayama, et al., "Interlayer Exchange Coupling in Co/Cr/Co Double Layered Recording Films Studied by Spin-Wave Brillouin Scattering"-IEEE Transactions on Magnetics, vol. 27, No. 6, Nov. 1991, pp. 5064-5066.

S.E. Lambert, et al., "Laminated Media for High Density Recording"-IEEE Transactions on Magnetics, vol. 29, No. 1, Jan. 1993, pp. 223-229.

E. Teng, et al., "Flash Chromium Interlayer for High Performance Disks with Superior Noise and Coercivity Squareness"-IEEE Transactions on Magnetics, vol. 29, No. 6, Nov. 1993, pp. 3679-3681.

S.S.P. Parkin et al., "Oscillations in Exchange Coupling and Magnetoresistance in Metallic Superlattice Structures: Co/Ru, Co/Cr, and Fe/Cr", Physical Review Letters, vol. 64, No. 19, May 7, 1990, pp. 2304-2307.

REMARKS

Applicants respectfully request that the Examiner consider the above-listed references in the examination of this application and list these references of record in the application. Applicants respectfully submit that the citation of the above-listed references does not constitute an admission that these references qualify as prior art.